

1 What is claimed is:

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3 1. A manual grinding tool, in particular an oscillating sander (10), with a
4 housing (12), an abrasive sheet carrier (14), and clamping means (20, 23; 360,
5 500) for retaining opposite abrasive sheet ends (17, 19; 155) of an abrasive
6 sheet (16; 150) which is capable of resting against abrasive sheet carrier (14),
7 wherein the clamping means (20, 23; 340, 500), together with an abrasive sheet
8 end (17, 155) clamped thereto, are capable of being moved away from the other
9 abrasive sheet end (19, 155) which is also clamped, so that the abrasive sheet
10 (16; 150) is lockable under tensile stress, whereby the clamping means (20, 23;
11 340, 500) are composed of resilient material.

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13 2. The manual grinding tool as recited in Claim 1,
14 wherein one of the clamping means (20, 23; 340, 500) is configured as tongs (34;
15 340) and has clamping jaws (36, 38; 360, 380), between which an abrasive sheet
16 end (17, 19; 155) is clampable, and
17 wherein the tongs (34; 340)—with the clamping jaws (36, 38; 360, 380) and the
18 clamped abrasive sheet end (17, 19; 155)—are movable around a swivel axis
19 (40; 400) and are detachably lockable in a pivoted-out position.

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21 3. The manual grinding tool as recited in Claim 2,
22 wherein one of the clamping jaws (36, 38; 360, 380) is configured as manually
23 operated active clamping jaw (36; 360), and the other as passive clamping jaw
24 (38; 380) which is capable of being operated using the active clamping jaw (36;
25 360) and pivoted with the same.

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27 4. The manual grinding tool as recited in Claim 3,
28 wherein the active clamping jaw (36; 360), when closed, rests against the
29 elastically preloaded passive clamping jaw (38; 380) and carries it—against the
30 elastic preload—into the fixable clamping position, via pivoting in particular.

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1 5. The manual grinding tool as recited in Claim 4,
2 wherein the active clamping jaw (36; 360) is part of a two-armed clamping lever
3 (35; 350), one of the lever arms of which serves as a handle (39; 390) which is
4 detachably lockable in its clamped position.

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6 6. The manual grinding tool as recited in Claim 5,
7 wherein the tongs (34; 340) are pivotable around the swivel axis (40; 400)
8 between two end positions that define their clamped and released positions.

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10 7. The manual grinding tool as recited in Claim 6,
11 wherein the surfaces of the active and passive clamping jaws (36, 38) are very
12 rough and/or have a strong grip.

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14 8. The manual grinding tool as recited in one of the Claims 3 through 7,
15 wherein the active clamping jaw (360) is a—single-component, in particular—
16 bent wire element that is positioned diametrically opposed—with a crossbar, in
17 particular—to a corresponding surface of the passive clamping jaw (380) in a
18 manner that allows it to be pressed together in the manner of tong jaws.

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20 9. The manual grinding tool as recited in Claim 8,
21 wherein the passive clamping jaw (380) is a resilient part that is rigidly located
22 with one end on the top side of the abrasive sheet carrier (14).

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24 10. The manual grinding tool as recited in Claim 9,
25 wherein the passive clamping jaw (380) is a leaf spring and/or a resilient wire.

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27 11. The manual grinding tool as recited in Claim 10,
28 wherein the abrasive sheet (150) is clampable with minimal deformation such
29 that it fits between the active (360) and passive clamping jaw (380).

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31 12. The manual grinding tool as recited in Claim 11,

1 wherein the active clamping jaw (360) forms an axle stub (410) with which it rests
2 in a recess of the abrasive sheet carrier (14), where it forms the swivel axis
3 (400).

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5 13. The manual grinding tool as recited in Claim 12,
6 wherein the active clamping jaw (360)—on one side, connected to the axle stub
7 (410)—forms the clamping lever (350) and, on the other side, includes means
8 (370, 650, 660, 670) at the end of the other axle stub (410) for vibration damping.

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10 14. The manual grinding tool as recited in Claim 13,
11 wherein the means for vibration damping are mountable on an extension of the
12 axle stub (410) and bear against the abrasive sheet carrier (14) with preload.

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14 15. The manual grinding tool as recited in Claim 13,
15 wherein the abrasive sheet (16; 150) is insertable between the clamping jaws
16 (22; 220; 1220; 500) and the abrasive sheet carrier (14), whereby the clamping
17 jaws (22; 220; 1220; 500) are capable of being opened merely via contact with
18 the abrasive sheet (16; 150), which said abrasive sheet, when moved against the
19 direction of insertion, is automatically lockable as a result of this motion.